

PATENT

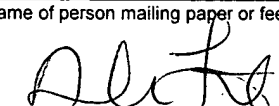
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: SCHIERLING-4

In re Application of:)
HUBERT SCHIERLING et al.)
Cont. of Int. Appl. No.: PCT/DE02/02474)
Int. Filing Date: July 5, 2002)
For: METHOD AND DEVICE FOR BRIDGING)
BRIEF POWER OUTAGES IN A)
MATRIX CONVERTER)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Express Mail mailing label number: EV 413659132 US
Date of Deposit: January 16, 2004
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".
ANTONELLA FUSILLO [Name of person mailing paper or fee]
 [Signature]

S I R:

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the following references A) to I) which were cited in the International Search Report issued by the European Patent Office with regard to the corresponding international patent application No. PCT/DE02/02474. Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

	Country:	Patent or Appl. No:	Patentee or Applicant:	Issue or Filing Date:
A)	USA	US 4 689 542 A	Ibori et al.	08-25-1987
B)	USA	US 4 409 533 A	Kawabata	10-11-1983
C)	Holtz J et al.: "Controlled AC drives with ride-through...", 1993			
D)	USA	US 5 475 292 A	Nakanishi et al.	12-12-1995
E)	Klumpner C et al.: "Short term ride through capabilities....", 2000			
F)	Japan	JP 08 130882 A	Fuji Electric	05-21-1996
G)	Japan	JP 06 153587 A	Hitachi Ltd.	05-31-1994
H)	Sunter S et al.: "A true four quadrant matrix converter....", 1996			
I)	Wiechmann E P et al.: "Continuously motor-synchronize...", 2002			

Copies of these references are submitted herewith along with form PTO-1449. The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

☒ [X] This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.

☐ [] This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.

☐ [] This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.

☐ [] This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.

☐ This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.

☐ This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.

☐ The undersigned submits the following statement requesting consideration of this statement:

The undersigned hereby states:

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

☐ The fee of \$180.00 set forth in 1.17(p).

☐ The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

[] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

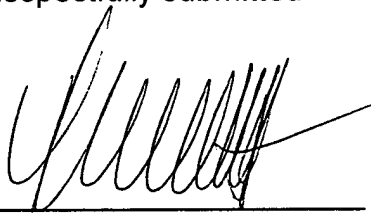
In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant herewith submits a copy of the International Search Report together with a translation of the relevant pages thereof.

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

Respectfully submitted

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Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office**INFORMATION DISCLOSURE CITATION**

Attorney's Docket No. SCHIERLING-4	Applicant HUBERT SCHIERLING et al.	Cont. of Int. Appl. No. PCT/DE02/02474
Int. Filing Date July 5, 2002	Group	Examiner

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date, if appropriate
	4,689,542	08-25-1987	Ibori et al.			
	4,409,533	10-11-1983	Kawabata			
	5,475,292	12-12-1995	Nakanishi et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
	JP 08 130882 A	05-21-1996	Japan			abstract
	JP 06 153587 A	05-31-1994	Japan			abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Holtz J et al.: "Controlled AC drives with ride-through capability at power interruption" Industry Applications Society Annual Meeting 1993., Conference Record of the 1993 IEEE Toronto, Ont., Canada 2-8 Oct. 1993, New York NY, USA, IEEE, US, 2 October 1993, pages 629-636, XP010118698, ISBN: 0-7803-1462-X
		Klumpner C et al.: "Short term ride through capabilities for direct frequency converters" Conference Proceedings, XP010517244, 2000
		Sunter et al.: "A true four quadrant matrix converter induction motor drive with servo performance" Pesc 96 Record. 27 th Annual IEEE Power Electronics Specialists Conference (Cat. No. 96CH35962), Baveno, Italy, 23-27 June 1996, pages 146-151 vol. 1, XP002236654 1996, New York, NY. USA, IEEE, USA ISBN: 0-7803-3500-7
		Wiechmann E P et al.: "Continuously motor-synchronized ride-through capability for matrix-converter adjustable-speed drives" IEEE Transactions on Industrial Electronics, April 2002, IEEE, USA, vol. 49, No. 2, pages 390-400, XP002236655

Examiner:**Date considered:**

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.